

FIG. 1

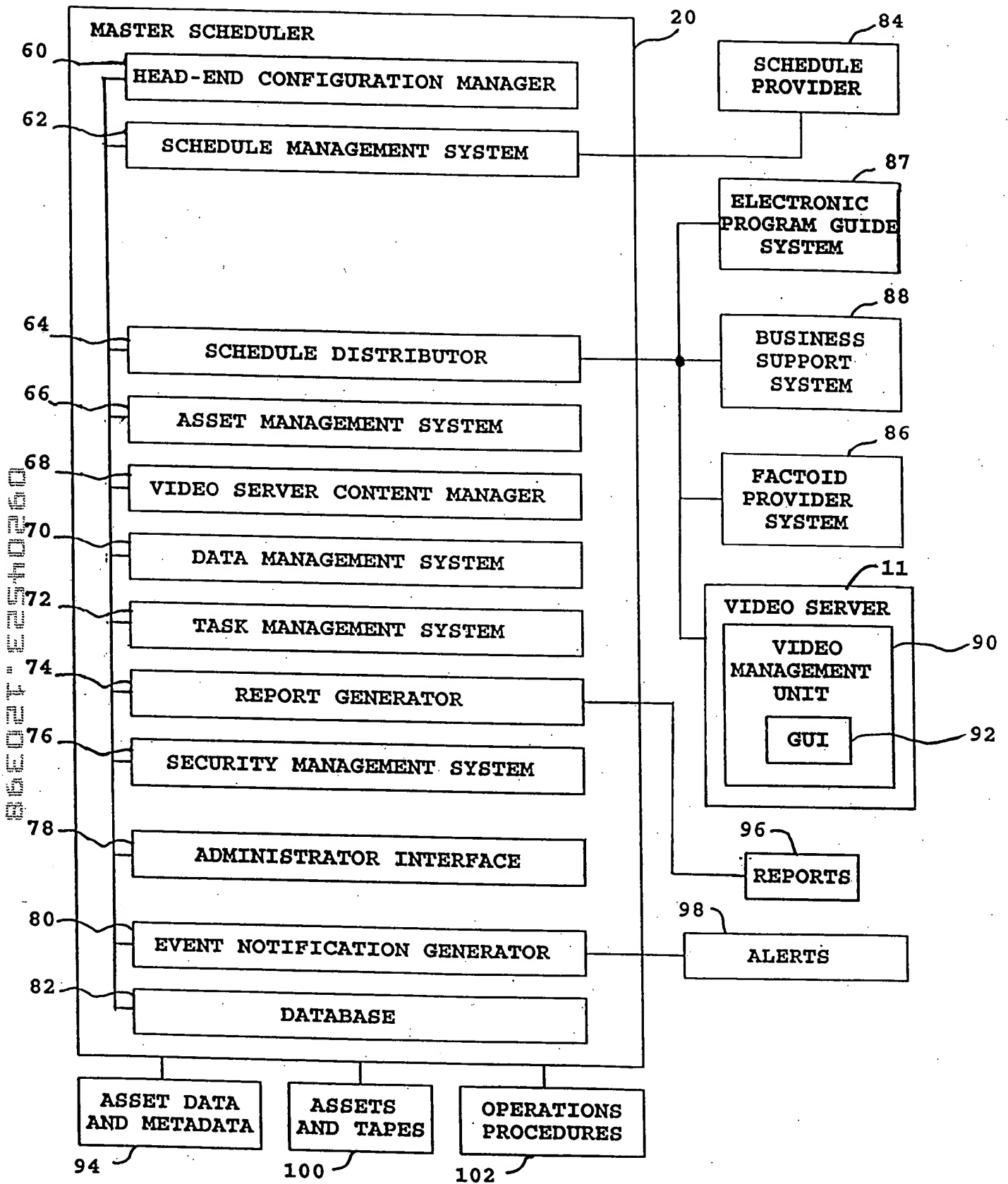


FIG. 2



File Edit Manage Configure Administer Reports/Logs

ITEMS

Id	Description	Effective Date	
1	ITEM #1	4/1/97	
2	ITEM #2	5/1/97	
3	ITEM #3	5/1/97	

Ports

Id	Description	Effective Date	
1	PORT #1	5/1/97	
2	PORT #2	5/1/97	
3	PORT #3	6/1/97	
4	PORT #4	6/1/97	
5	PORT #5	6/1/97	

FIG. 3



File Edit Manage Configure Administer Reports/Logs

Lineup Name	Lineup Version	Status
Feb Lineup	1	Finalized
March Lineup	4	Being Distributed
April Lineup	1	WIP

Organization	Distributed (Y/N)	Distr. Date	Confirmed (Y/N)	Confirm Date	Remarks
EPG	Y	2/4/97	Y	2/5/97	Phone call from John
BSS	Y	2/5/97	N		Sent a fax

FIG. 4

86E02T E2540260

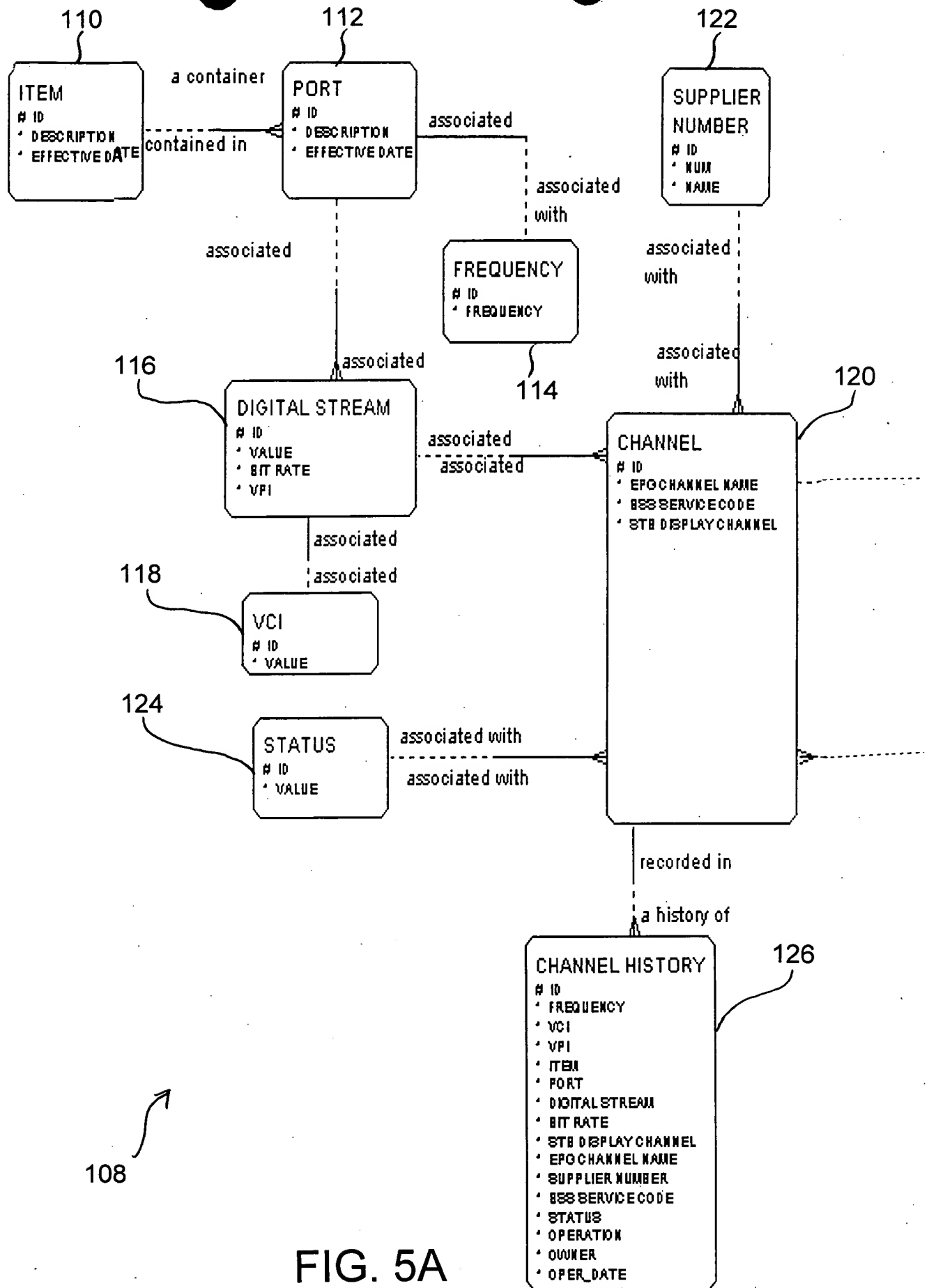
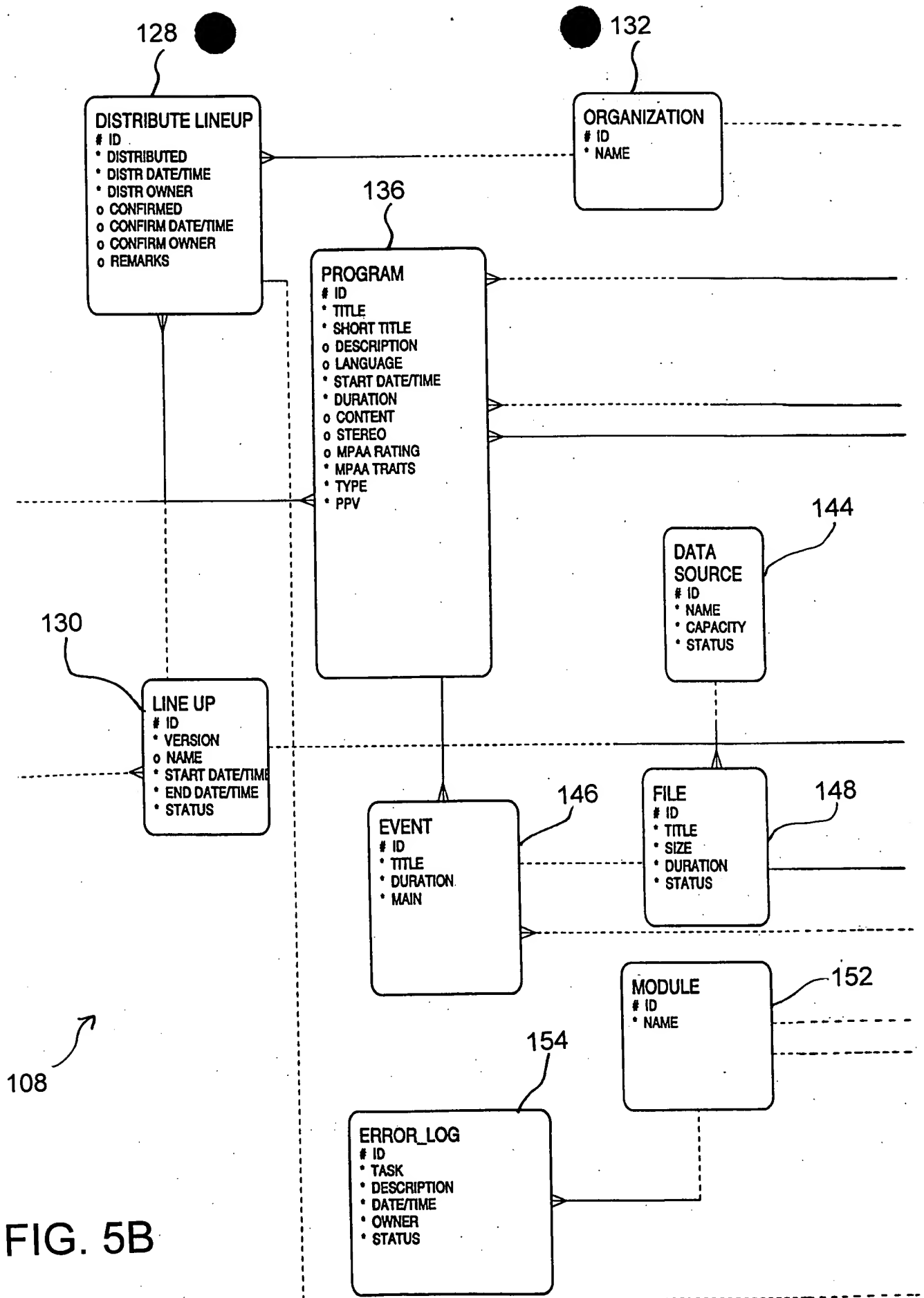


FIG. 5A



# 1. Introduction

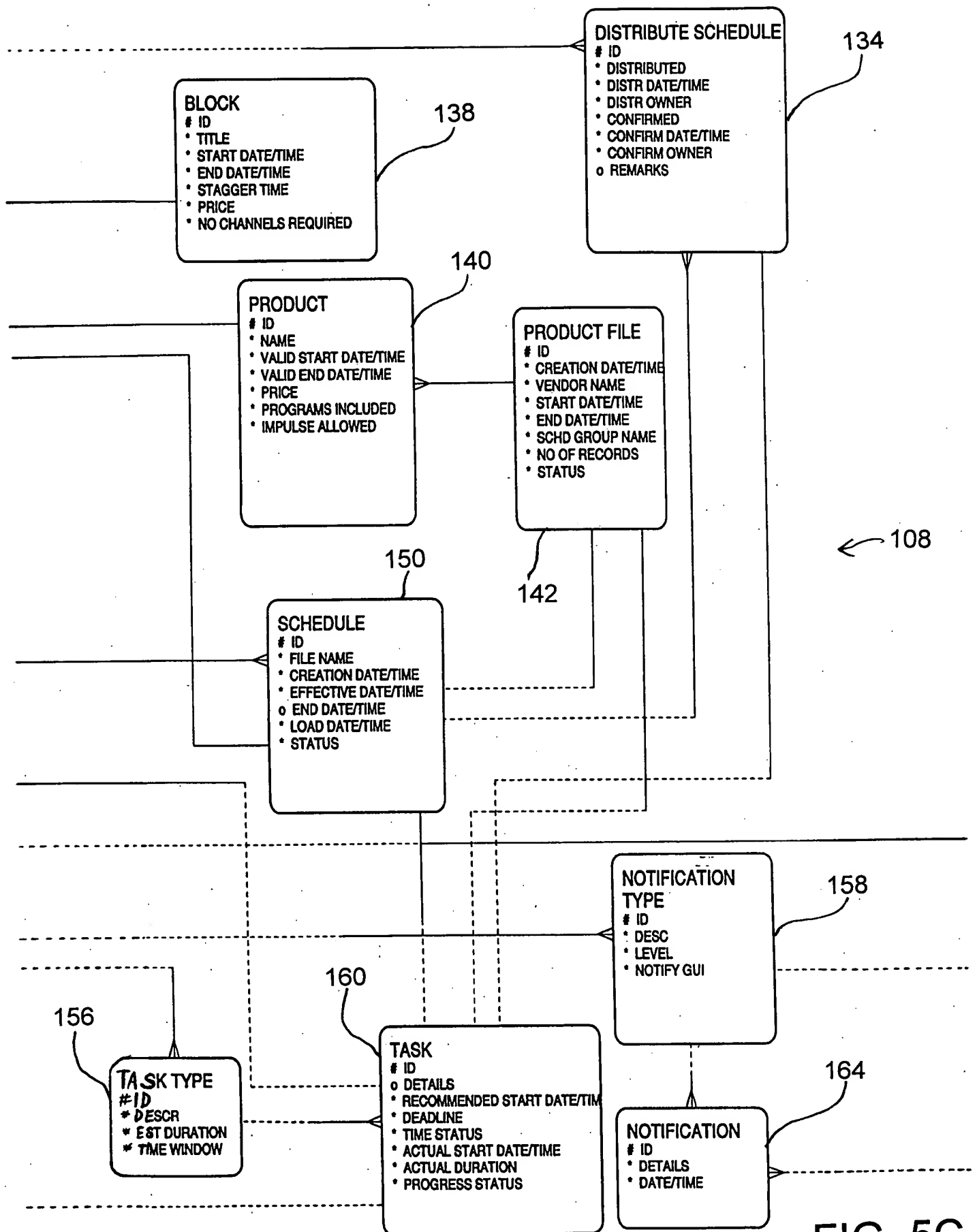


FIG. 5C

00004523-10399

108

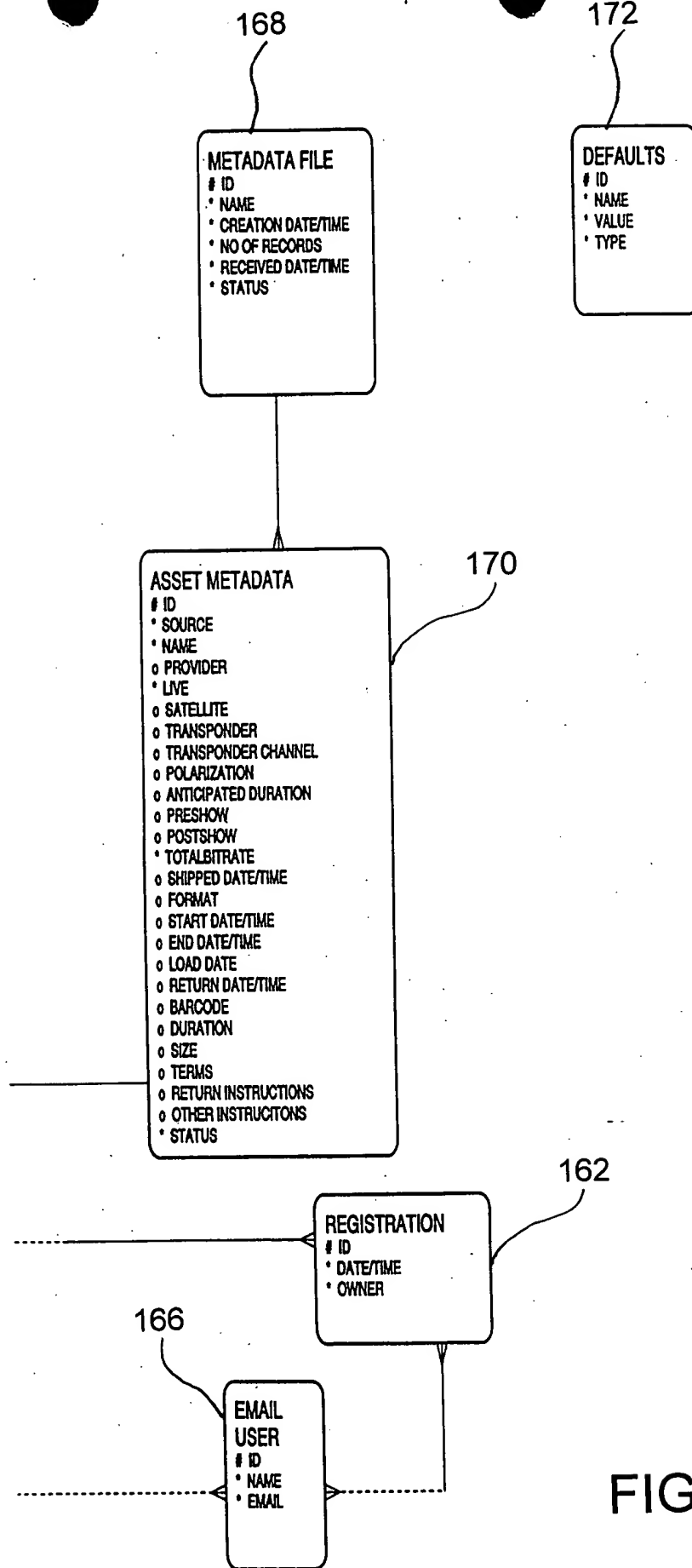


FIG. 5D



```

-- To ensure uniform size of data types, we use some
domains
-- Small Id      - number(4,0)
-- Small Char    - Varchar2(15)
-- Med Char      - Varchar2(100)
-- Date          - Date

CREATE TABLE items (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date date not null
);

CREATE TABLE frequencies (
  id          number(4,0) primary key,
  frequency   number(4,0) not null -- in MHz
);

CREATE TABLE ports (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date date not null,
  freq_id     number(4,0) not null references frequencies,
  item_id     number(4,0) not null references items
);

CREATE TABLE digital_streams (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  bit_rate    varchar2(15) not null,
  vpi         number(4,0) not null,
  port_id     number(4,0) not null references ports,
  vci_id      number(4,0) not null references vci
);

CREATE TABLE supplier_numbers (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  name        varchar2(15) not null
);

CREATE TABLE vci (
  id          number(4,0) primary key,
  value       number(4,0) not null
);

CREATE TABLE status (
  id          number(4,0) primary key,
  value       varchar2(15) not null
);

CREATE TABLE channels(
  id          number(4,0) primary key,
  epg_channel_name varchar2(100) not null,
  bss_service_code number(6,0) not null,
  stb_display_channel number(4,0) not null,
  dig_stream_id number(4,0) not null references digital_streams,
  sup_num_id  number(4,0) not null references supplier_numbers,
  stat_id     number(4,0) not null references status
);

CREATE TABLE line_ups (
  id          number(4,0) primary key,
  name        varchar2(15) not null,
  version     varchar2(15) not null,
  start_date_time date,
  end_date_time date,
  stat_id     number(4,0) not null references status
);

```

FIG. 6

Analog Frequency	VCI (33→1024)	VPI (Fixed)	ITEM #	ITEM Port	Digital stream	BitRate	STB LED channel display	EPG channel name	ITC-PAL file name	Supplier number	Relative channel number	BSS Service Code	Service Handle (code +32K)
666 MHz	33	0	1	1	1	4.5Mbps	201	A101	V026mmyy	026	1	801	33569
666 MHz	34	0	1	1	2	4.5Mbps	202	A102	V026mmyy	026	2	802	33570
666 MHz	35	0	1	1	3	4.5Mbps	203	A103	V026mmyy	026	3	803	33571
666 MHz	36	0	1	1	4	4.5Mbps	204	A104	V026mmyy	026	4	804	33572
666 MHz	37	0	1	1	5	4.5Mbps	205	A105	V026mmyy	026	5	805	33573
672 MHz	38	0	1	2	1	4.5Mbps	206	A106	V027mmyy	027	1	806	33574
672 MHz	39	0	1	2	2	4.5Mbps	207	A107	V027mmyy	027	2	807	33575
672 MHz	40	0	1	2	3	4.5Mbps	208	A108	V027mmyy	027	3	808	33576
672 MHz	41	0	1	2	4	4.5Mbps	209	A109	V027mmyy	027	4	809	33577
672 MHz	42	0	1	2	5	4.5Mbps	210	A110	V027mmyy	027	5	810	33578
678 MHz	43	0	1	3	1	4.5Mbps	211	A111	V028mmyy	028	1	811	33579
678 MHz	44	0	1	3	2	4.5Mbps	212	A112	V028mmyy	028	2	812	33580
678 MHz	45	0	1	3	3	4.5Mbps	213	A113	V028mmyy	028	3	813	33581
678 MHz	46	0	1	3	4	4.5Mbps	214	A114	V028mmyy	028	4	814	33582
678 MHz	47	0	1	3	5	4.5Mbps	215	A115	V028mmyy	028	5	815	33583
684 MHz	48	0	1	4	1	4.5Mbps	216	A116	V029mmyy	029	1	816	33584
684 MHz	49	0	1	4	2	4.5Mbps	217	A117	V029mmyy	029	2	817	33585
684 MHz	50	0	1	4	3	4.5Mbps	218	A118	V029mmyy	029	3	818	33586
684 MHz	51	0	1	4	4	4.5Mbps	219	A119	V029mmyy	029	4	819	33587
684 MHz	52	0	1	4	5	4.5Mbps	220	A120	V029mmyy	029	5	820	33588
690 MHz	53	0	1	5	1	4.5Mbps	221	A121	V030mmyy	030	1	821	33589
690 MHz	54	0	1	5	2	4.5Mbps	222	A122	V030mmyy	030	2	822	33590
690 MHz	55	0	1	5	3	4.5Mbps	223	A123	V030mmyy	030	3	823	33591
690 MHz	56	0	1	5	4	4.5Mbps	224	A124	V030mmyy	030	4	824	33592
690 MHz	57	0	1	5	5	4.5Mbps	225	A125	V030mmyy	030	5	825	33593

FIG. 7





<u>F</u> ile <u>E</u> dit <u>M</u> anage <u>C</u> onfigure <u>A</u> ddminister <u>R</u> eports/Logs									
<u>N</u> ame		Feb Schedule - Version 2				<u>S</u> tatus		<u>A</u> ction	
NVOD1		Toy Story Every 15 minutes							
NVOD2		Mission Impossible Every 30 minutes							
NVOD3		Dennis - Every 60 minutes							
		Feb 6   Feb 7   Feb 8   Feb 8   Feb 9   Feb 10   Feb 11							
		Prev Month				Next Month			

FIG. 10

File

Edit

Manage

Configure

Administer

Reports/Logs

Name

May Schedule - Version 2

Status

WIP

	May 8, 1997		
NVOD1	Toy Story	Julia Child	
NVOD2	NBA Playoffs	Mission Impossible	
WCBS	Dennis	Star Wars	
	6 pm	6:30pm	7pm
	Month Begin	Prev Day	Next Day
			Month End
		7:30 pm	8:30pm

FIG. 11



<u>F</u> ile <u>E</u> dit <u>M</u> anage <u>C</u> onfigure <u>A</u> dminister <u>R</u> eports/Logs																					
Title	Gone with the Wind	From	2/16/97	12.00 AM	Interval	6:00 PM															
.Price	\$2.95	To	3/16/97	12.00 PM	To	11:00 PM															
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th style="width: 15%;">Date</th><th style="width: 15%;">Starting Time</th><th style="width: 15%;">STB Display</th><th style="width: 15%;">Channel Name</th><th style="width: 15%;">Current Price</th></tr></thead><tbody><tr><td>2/16/97</td><td>9:30pm</td><td>202</td><td>NVOD1</td><td>3.25</td></tr><tr><td>2/18/97</td><td>10:00pm</td><td>203</td><td>NVOD2</td><td>2.25</td></tr></tbody></table>							Date	Starting Time	STB Display	Channel Name	Current Price	2/16/97	9:30pm	202	NVOD1	3.25	2/18/97	10:00pm	203	NVOD2	2.25
Date	Starting Time	STB Display	Channel Name	Current Price																	
2/16/97	9:30pm	202	NVOD1	3.25																	
2/18/97	10:00pm	203	NVOD2	2.25																	
<div style="display: inline-block; border: 1px solid black; padding: 5px 20px;">Update Price</div>																					
<div style="display: inline-block; border: 1px solid black; padding: 5px 20px;">Select All</div>																					

FIG. 12



File Edit Manage Configure Administer Reports/Logs

Schedule	Version	Status
February Schedule	1	Finalized
March Schedule	1	WIP

Organization	Distributed (Y/N)	Distr. Date	Confirmed (Y/N)	Confirm Date	Remarks
EPG	Y	2/4/97	Y	2/5/97	Phone call from John
BSS	Y	2/5/97	N	2/3/97	Sent a fax
Video Server	Y	2/3/97	Y		

Begin Distribution

FIG. 13

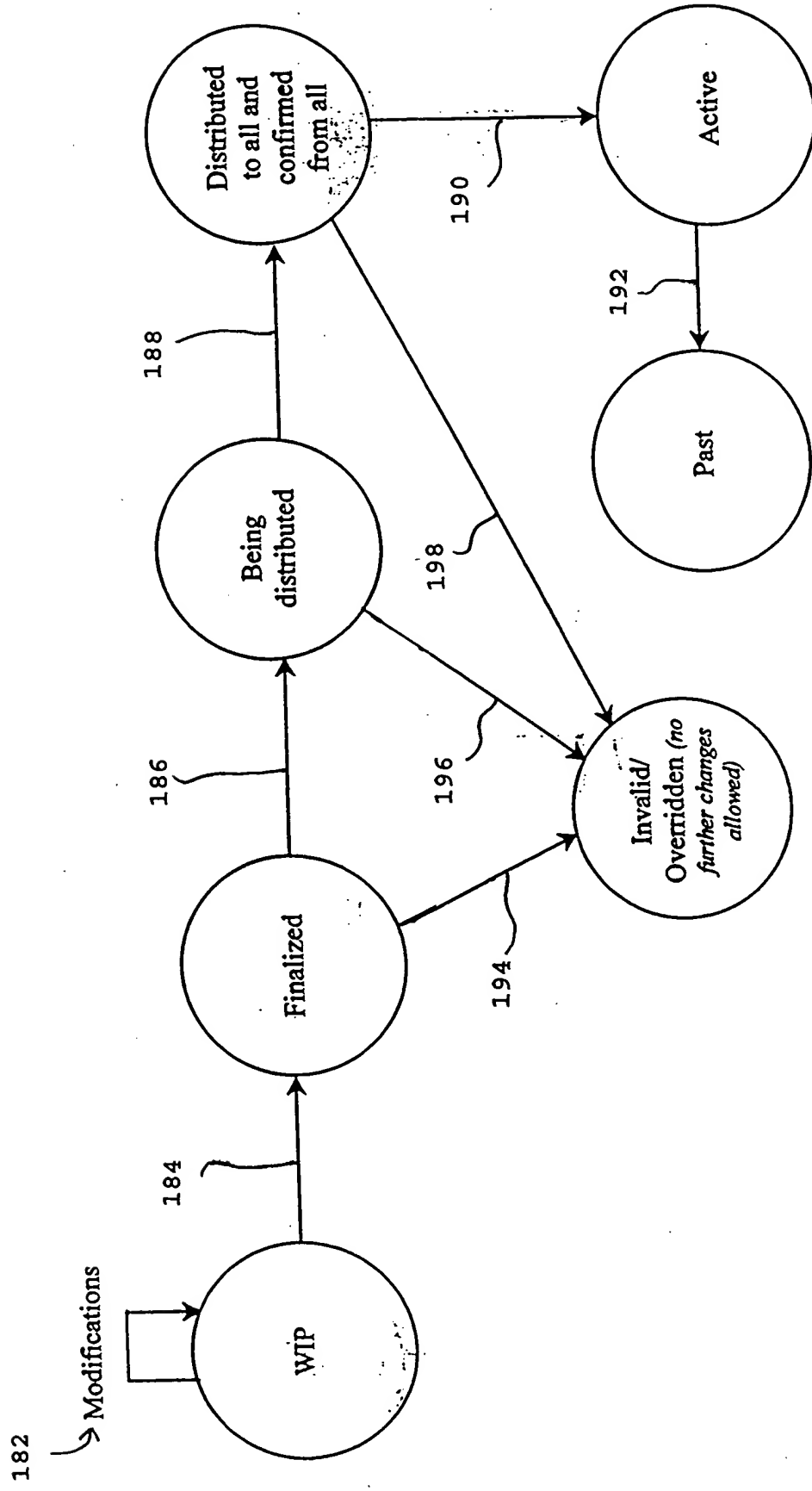


FIG. 14



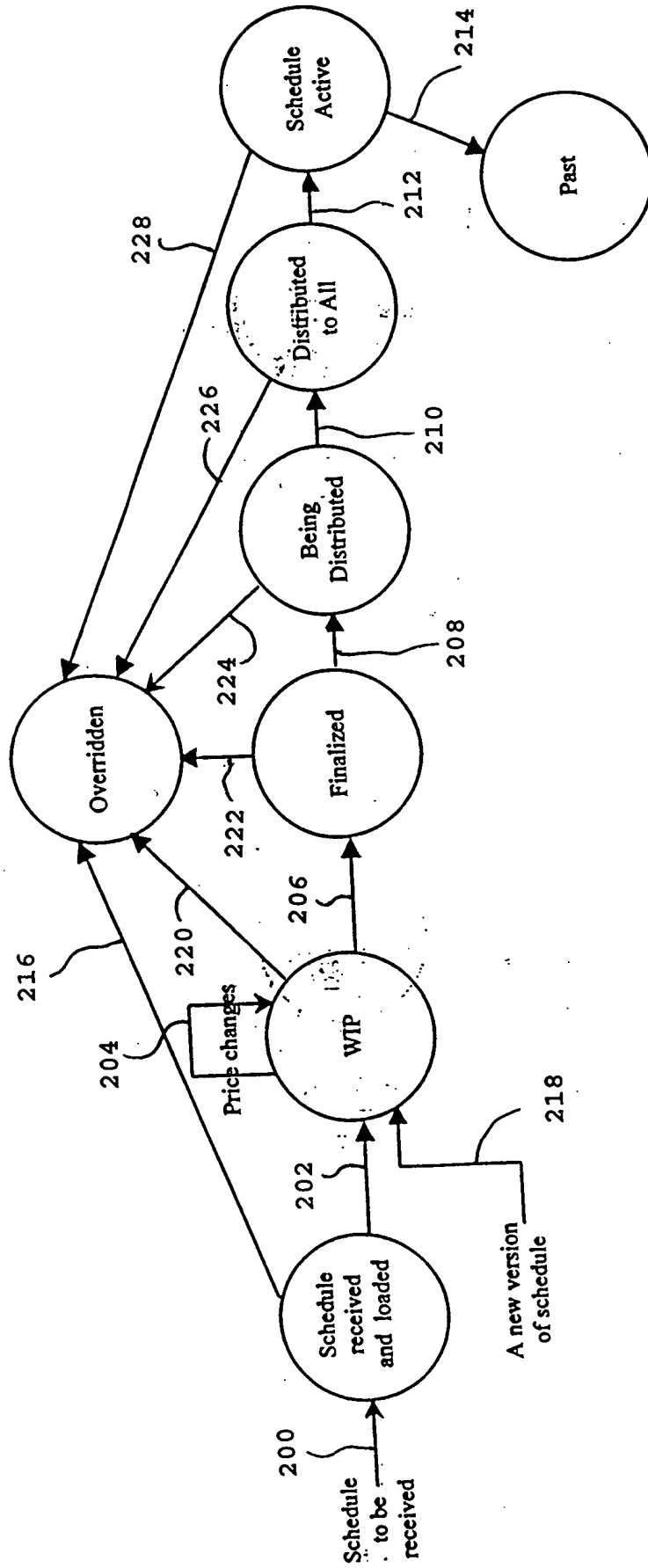


FIG. 15



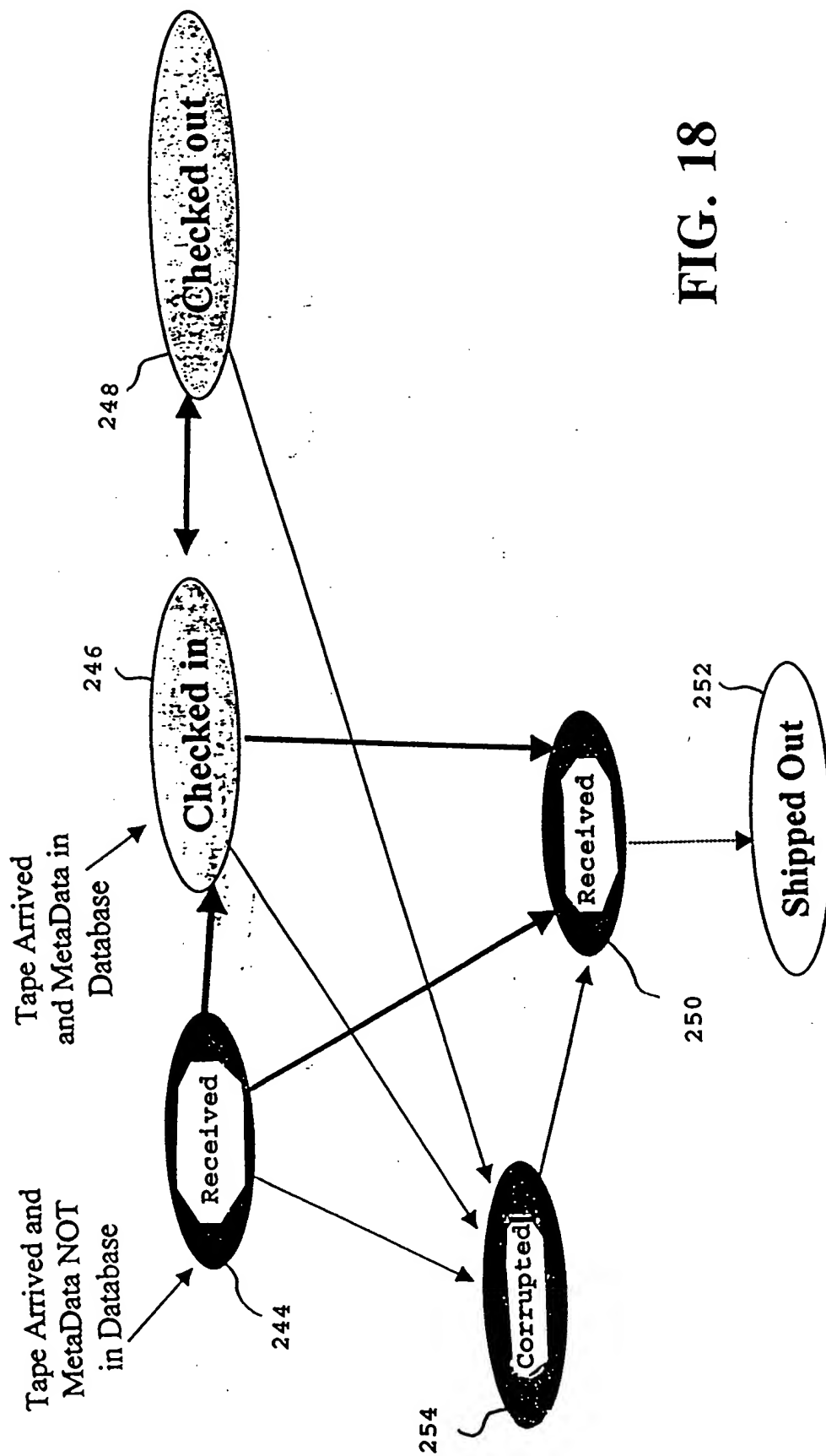


FIG. 18

Edit Schedule Contact Files Configure Asset Administration Reports Data Window

Tape Operations

Edit Mode

View Mode

Edit Mode

Refresh Data

Print

Save

Input Record

Delete Record

First Record

Previous Record

Next Record

Last Record

Tape Data

Barcode	Tape Name	Location	Status	Scheduled to be Loaded?
AB	AB	Slot01 Xrated floor2	Received	No
123455	123455 - Name Unknown	slot01:shelf1:floor1:M	Corrupt	No

Tape Details

Barcode: ABID

Tape Name: ABID-Unknown

Location: Slot01 Xrated floor2:Merrimack

Auto Generate

Browse

Comments: Text

OK

Cancel

Receive Tape

Check In

Check Out

Return Tape

Mark As Corrupt

Generate Configuration Letter

Move Tape

Search

Browse Library

Generate Return Letter

Show History

Show Asset MetaData

FIG. 19

09204533-120358












File Edit Schedule Content Tasks Configur Asset		_ □ ×									
		          									
Tape Operations											
Edit Mode											
Name	WONDER 3										
Total Bitrate	6000000										
Source	2										
Provider Asset ID	WONDER 3										
Duration	30										
Shipped Date/Time	03/30/1997 12:00:00 AM										
Load Date/Time	03/31/1997 12:00:00 AM										
Return Date/Time	05/30/1997 12:00:00 AM										
Barcode	BARCODE 15										
Asset MetaData Size	6000000										
Return Instructions	ASSET RETURN INSTRUCTIONS FOR ADVENTURES EPISODES										
Other Instructions	OTHER INSTRUCTIONS FOR ADVENTURES 3										

FIG. 20

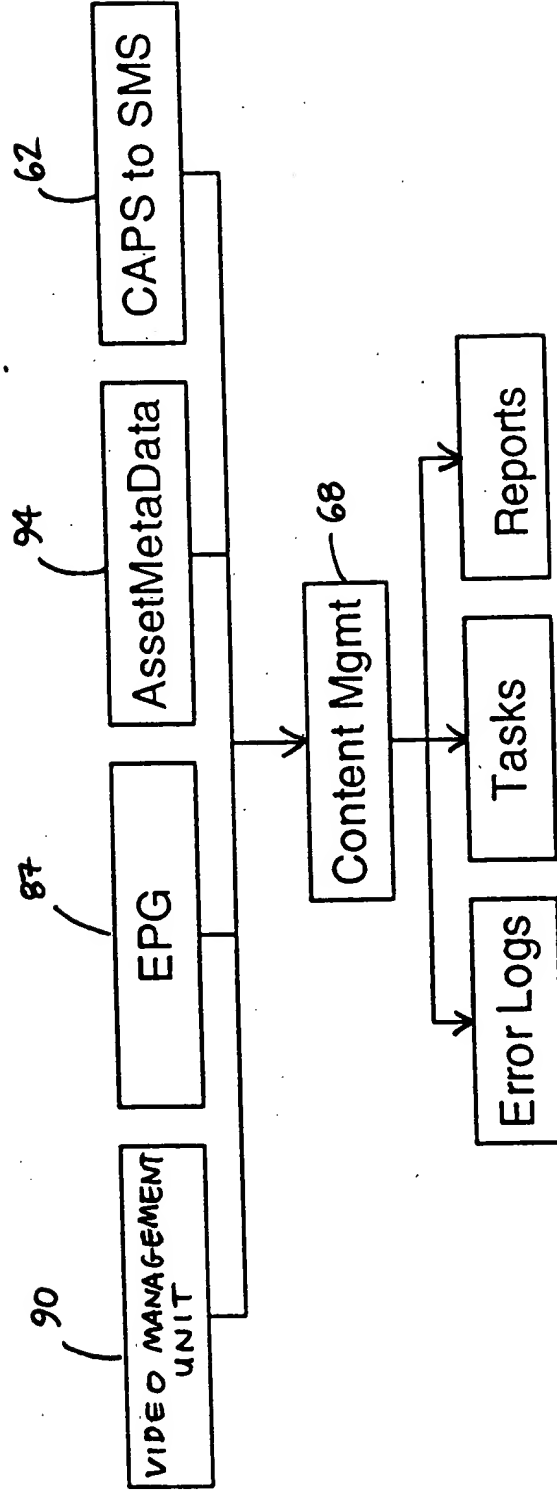


FIG. 21



<u>F</u> ile <u>E</u> dit <u>M</u> anage <u>C</u> onfigure <u>A</u> ddminister <u>R</u> eports/Logs			
<u>I</u> mport and Load from Americast			
<input type="button" value="Load Files"/>	<input type="button" value="All Files"/>	<input type="button" value="Yes"/>	<input type="button" value="Schedule"/>
<input type="button" value="Begin Load"/>		<input type="button" value="CAPS-SMS"/>	<input type="button" value="Yes"/>
		<input type="button" value="Asset Metadata"/>	<input type="button" value="Yes"/>
<u>L</u> oad local file			
<input type="button" value="File Name"/>	<input type="text" value="C:\Schedules\May97"/>		<input type="button" value="Browse ..."/>
<input type="button" value="Begin Load"/>			

FIG. 22



File   Edit   Manage   Configure   Administer   Reports/Logs

Last Updated: 2/11/97

Name	Capacity	Remaining	Status	Last Updated
Data Source 1	100 GB	13 GB	Available	2/8/97
Data Source 2	100 GB	87 GB	Available	2/3/97
Data Source 3	100 GB	99 GB	Down	2/11/97

Check Status

FIG. 23





File Edit Manage Configure Administer Reports/Logs

Last Updated: 2/11/97

Asset Id	Name	Scheduled to be loaded on	Server Status	Task Status
12345	Toy Story	2/3/97	Loaded	Loaded
761209	Gardening	2/11/97	Loaded	Loaded

Check Status

Play on Test Channel

FIG. 24

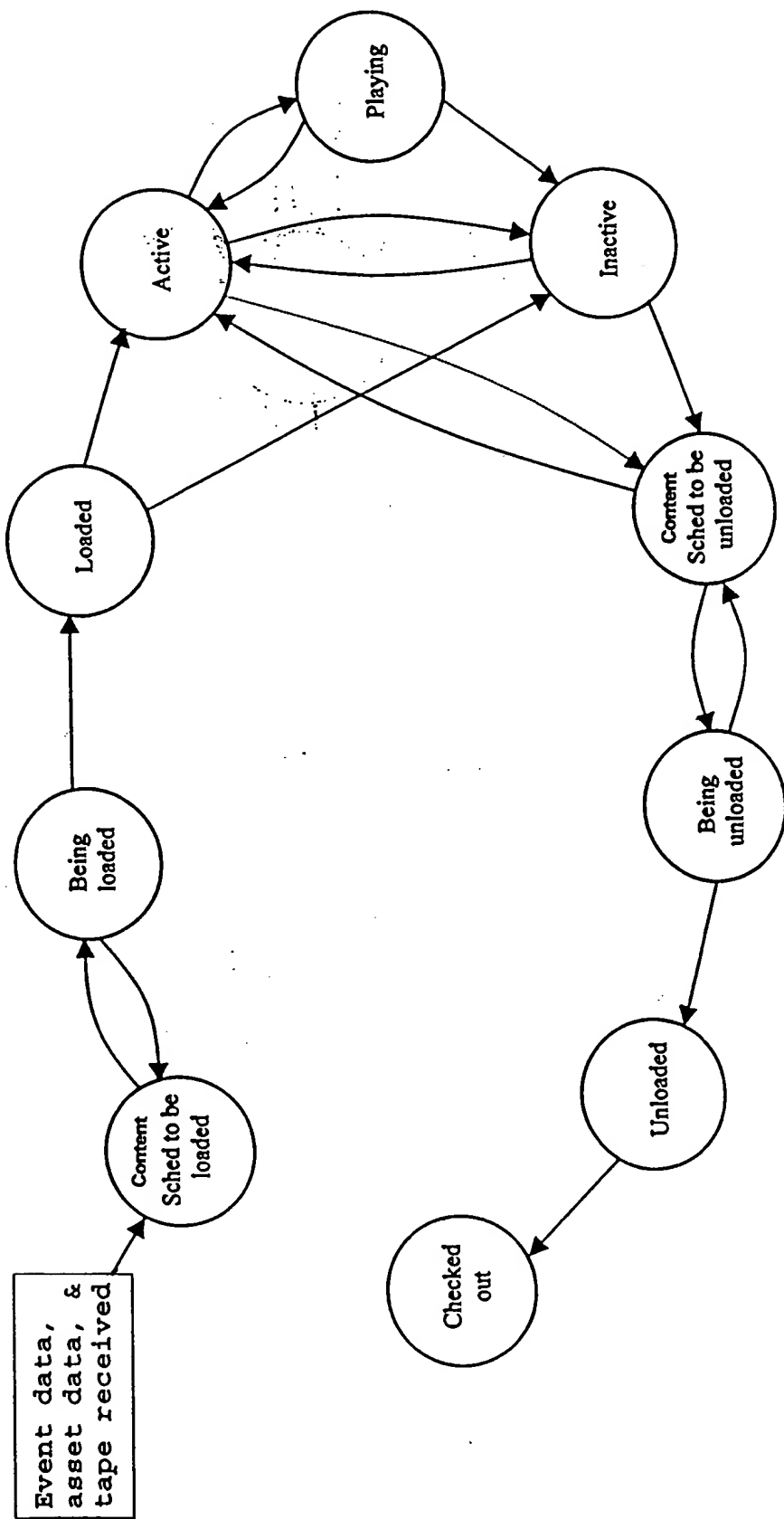


FIG. 25

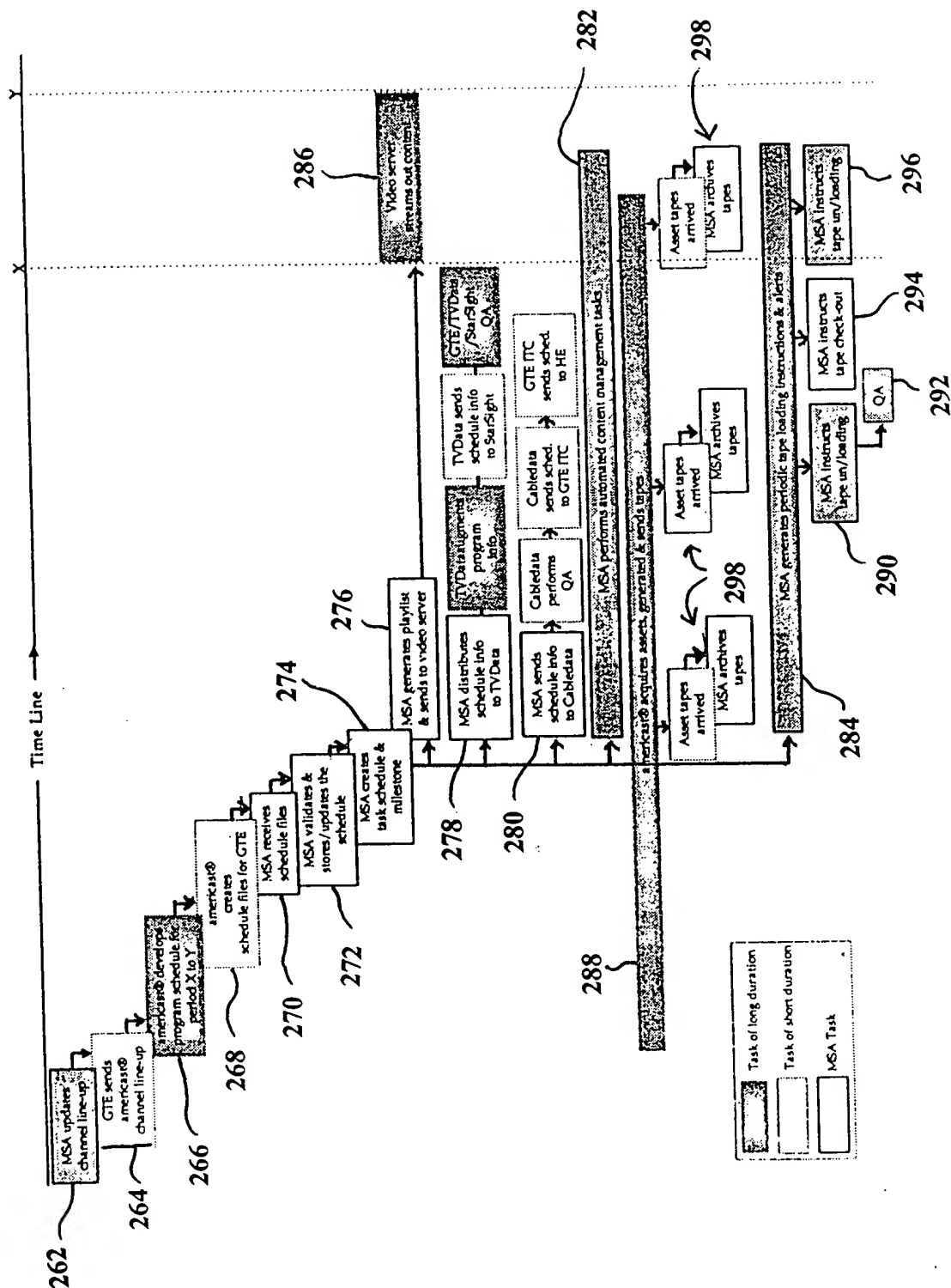


FIG. 26

FIG. 27

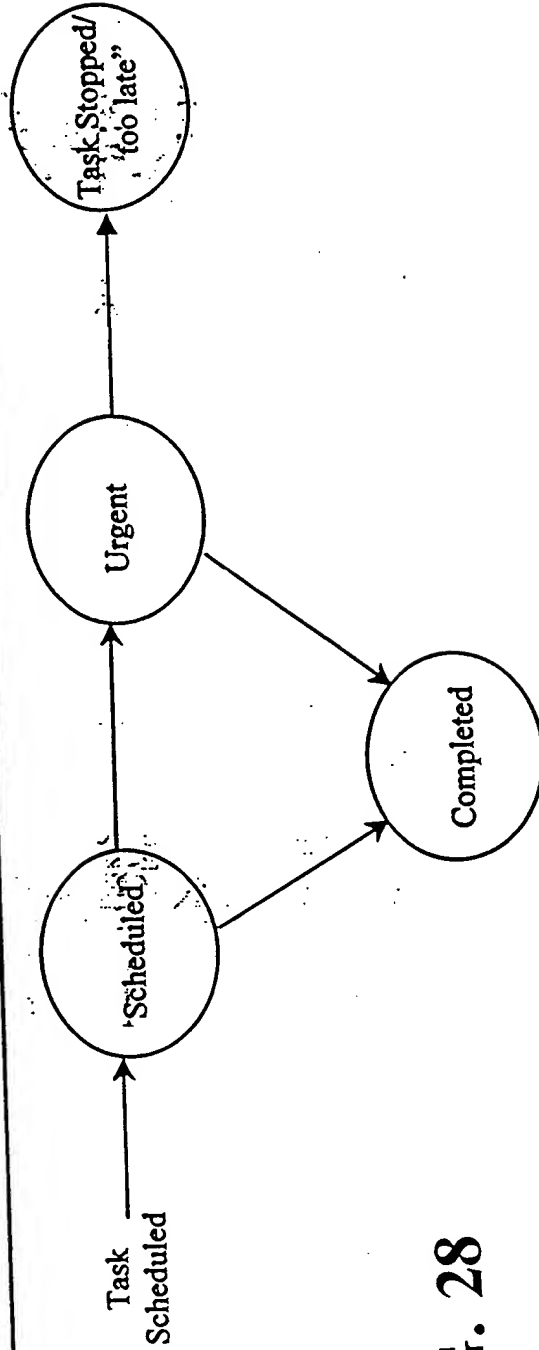
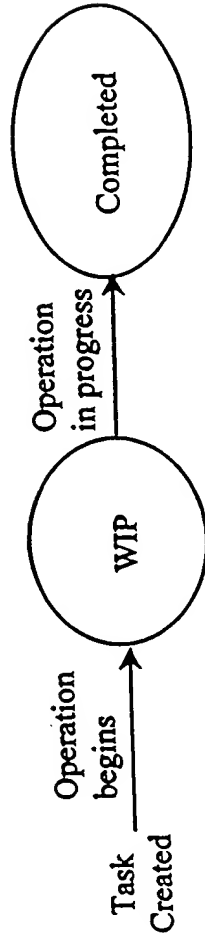


FIG. 28

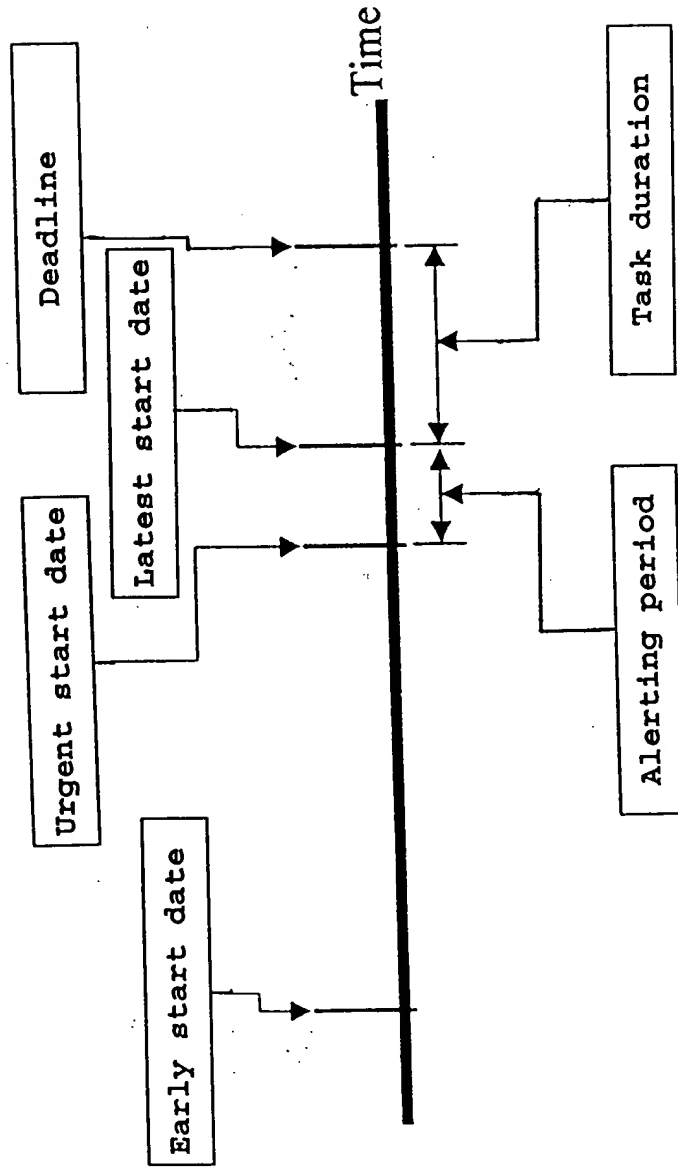


FIG. 29

300



<u>F</u> ile	<u>E</u> dit	<u>M</u> anage	<u>C</u> onfigure	<u>A</u> dminister	<u>R</u> eports/ <u>L</u> ogs
Save Print Import/Load Exit	System Parameters Preferences Notifications	Schedule ... Content ... Task	Headend		Notifications Error Logs Channel Lineup Server Content Tasks Schedule Asset

FIG. 30

File

Edit

Manage

Configure

Administer

Reports/Logs

Delete records

From

1/16/97

To

2/16/97

Table Name	Earliest Date	Number of records marked for deletion
Programs	2/1/97	345
Events	2/1/97	2765
Tasks	2/3/97	125

Submit

FIG. 31





306

File Edit Manage Configure Admister Reports/Logs

Id	Module	Event	Normal/Alert	Notify GUI (Y/N)	Send to printer (Y/N)
1	Schedule Management	Schedule could not be validated	Alert	Yes	Yes
2	Schedule Distribution	System cannot communicate with TVData	Alert	No	No
3	Content Management	Asset not loaded on video server by due date	Alert	Yes	No
4	Schedule Management	Schedule has been changed	Normal	Yes	Yes

FIG. 33

File Edit Manage Configure Addminister Reports/Logs

Tasks

Name	Automatic/ Manual
Import Schedule from Americast	Automatic
Import CAPS-SMS from Americast	Automatic
Import Asset metadata from Americast	Automatic
Distribute Schedule to TVData	Manual

FIG. 34

File Edit Manage Configure Administer Reports/Logs

Display Tasks From:

2/16/97

To:

3/16/97

Functional Area	Descr	Recommended Start Date	Est. duration	Deadline	Status	Actual Start Date	Actual End Date	Progress Status
Content Mgmt	Load 'Sac Wars' on Data Source 2	2/25/97	1 hour	3/1/97	Urgent			No Action
Content Mgmt	Load 'Toy Story' on Data Source 1	3/1/97	6 hours	3/10/97	Scheduled			No Action
Schedule Mgmt	Debiture April Schedule (Version 1) to BSS	2/24/97	1 hour	3/11/97	Scheduled	2/24/97		WIP

FIG. 35